## **AMENDMENTS TO THE CLAIMS**

Claims 1-9 and 21-36 are canceled.

10. (Original) A lead for implantation into a human body, the lead comprising:

a unitary lead body assembly comprising:

a unitary wall having an inner portion that forms a lumen;

an inner layer having at least one conductor; and

an outer layer having at least one conductor, wherein the inner layer and the outer layer are within the unitary wall;

at least one electrode located at a distal end of the lead body; and

at least one connector located at a proximal end of the lead body, wherein the at least one connector and the at least one electrode are connected by at least one conductor.

- 11. (Original) The lead as claimed in Claim 10 wherein the unitary wall is comprised of extrusion material.
- 12. (Original) The lead as claimed in Claim 10, wherein no electrical insulation material is between the conductors and the unitary wall.
- 13. (Original) The lead as claimed in Claim 10, wherein the diameter of the lead is no greater than 34 French.
- 14. (Original) The lead as claimed in Claim 13, further comprising at least five electrodes.

15. (Original) A system for stimulating a portion of a body, wherein the system comprises:

a source for generating a stimulus; and

a lead for receiving the stimulus from the source, wherein the lead comprises:

a unitary lead body assembly comprising:

a unitary wall having an inner portion that forms a lumen;

an inner layer having at least one conductor; and

an outer layer having at least one conductor, wherein the inner layer and the outer layer are within the unitary wall;

at least one electrode located at a distal end of the lead body; and

at least one connector located at a proximal end of the lead body, wherein the at least one connector and the at least one electrode are connected by at least one conductor.

- 16. (Original) The system as claimed in Claim 15, wherein the unitary wall comprises extrusion material.
- 17. (Original) The system as claimed in Claim 15, wherein no electrical insulation material is between the conductors and the unitary wall.
- 18. (Original) The system as claimed in Claim 15, wherein the diameter of the lead is no greater than 34 French.
- 19. (Original) The system as claimed in Claim 15, wherein the lead comprises at least five electrodes.
- 20. (Original) The system as claimed in Claim 15 wherein the conductors are spirally wound around the lumen.

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## 37. (New) A lead comprising:

a structure formed by an electrically insulating material having a lumen formed therein;

a first conductor operable to conduct and electrical signal and completely disposed in the structure formed by the electrically insulating material, the first conductor at a first distance from the lumen; and

a second conductor operable to conduct and electrical signal and completely disposed in the structure formed by the electrically insulating material, the second conductor at a second distance from the lumen, wherein the second distance is different than the first distance.

- 38. (New) The lead of claim 37 further comprising an electrode at the distal end of the lead, the electrode connected to the first conductor.
- 39. (New) The lead of claim 37 wherein the first conductor is disposed along the length of the lead.
- 40. (New) The lead of claim 37 wherein the first conductor is spirally wound around the lumen in a first direction.
- 41. (New) The lead of claim 37 further comprising at least a third conductor completely disposed in the structure formed by the electrically insulating material at the first distance from the lumen.
- 42. (New) The lead of claim 41 further comprising at least a fourth conductor completely disposed in the structure formed by the electrically insulating material at the second distance from the lumen.

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43. (New) A stimulation assembly comprising:

a source for generating an electrical stimulus; and

a lead having at least one electrode receiving the electrical stimulus from the source, the lead being formed by:

a structure formed by an extrusion material having a lumen passing therethrough;

at least a first conductor completely surrounded by the structure at a first distance from the lumen; and

at least a second conductor completely surrounded by the structure at a second distance from the lumen, wherein the second distance is different than the first distance, and the at least a first conductor and at least a second conductor are electrically connected between the source and a corresponding one of the at least one electrodes.

- 44. (New) The lead of claim 43 wherein the first conductor is disposed along the length of the lead.
- 45. (New) The lead of claim 43 wherein the first conductor is spirally wound around the lumen in a first direction.

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